

SECTION 01210 — ENVIRONMENTAL PROTECTION

PART 1 GENERAL

1.01 STORM WATER POLLUTION PREVENTION

- A. Storm Water Pollution Prevention Plan (SWPPP): Maintain continual storm water pollution prevention and perform all work in accordance with LLNL's Site-wide Industrial Activity SWPPP and permit to ensure no pollutants are discharged into the storm drainage system. Failure to comply may result in the Government halting work until the Contractor performs remedial action. The Contractor shall bear the cost of lost time, rework, and/or cleanup resulting from its failure to comply with provisions of the plan. Copies of LLNL's site-wide SWPPP and permit WDR95-174 (for Site 200) or 97-03-DWQ (for Site 300) are available for Contractor review upon request. Refer to appendix D for applicable Best Management Practices (BMPs).
- B. The Contractor may substitute alternate pollution prevention measures for those identified in LLNL's SWPPP. Submit alternate measures for Government review. Government acceptance of alternate pollution prevention measures will not relieve the Contractor of responsibility for the quality and adequacy of the measures or Contractor implementation of them. Such acceptance does not warrant, acknowledge, or admit the quality and adequacy of the alternate pollution prevention measures.
- C. Provide all materials and labor required to implement and maintain pollution prevention measures at no additional cost to the Government.
- D. If the Government determines that pollution is leaving the site, implement additional measures to prevent the discharge of pollution at no additional cost to the Government. Failure to comply with the requirements of the SWPPP may result in criminal and civil liability of the Contractor under the Clean Water Act.

1.02 EXISTING MATERIALS

- A. Existing Asbestos: The Government has completed testing of the existing siding, insulation, and caulking for asbestos and the results were "Not Detected." Therefore, the Government does not anticipate that asbestos will be found in existing materials associated with work to be accomplished under this contract.
- B. Existing Lead: The Government has completed testing of the existing caulking and coatings for lead and the results were very low (< 200 ppm). Therefore, the Government does not anticipate any levels of lead will be found that would be a trigger for either hazardous materials handling or regulated material disposal.
- C. If, however, either asbestos-containing materials (ACMs) or suspected lead-containing materials are encountered, immediately stop work, notify the

Contracting Officer's Representative (COR), and wait for further direction regarding resumption of the work.

1.03 TESTING AND DISPOSAL OF MATERIALS

- A. Materials and Waste Discharge: Do not discharge hazardous materials or wastes into the environment (i.e., air, soil, surface water, and groundwater). Protect all routes of entry to the environment, including direct discharges into air, soil, surface water, storm sewer, sanitary sewer, wells, and drainage channels from construction activities. This shall be achieved by the safe and proper use and storage of tools, equipment, and materials. Inspect construction equipment and vehicles daily for leaks of fuel, engine coolant, and hydraulic fluid. Contain, repair, and immediately report any leaks to the COR. Immediately report to the COR any accidental discharges into the environment. Clean up all discharges into the environment according to the guidance provided by the Government. Clean-up costs of discharges or leaks of hazardous material into the environment will be the responsibility of the Contractor owning said material.
- B. Disposal of Demolished Materials:
 - B.1 Sampling and Evaluation:
 - B.1.a The Government has completed sampling on materials to be encountered on this project and upon completion of evaluation, will notify the Contractor of any hazardous, contaminated, or regulated materials that were found, prior to releasing the Contractor to begin demolition.. The Government will also evaluate all debris resulting from demolition on the project site prior to the Contractor removing it from the site.
 - B.1.b If visible/detectable contaminated materials are encountered, immediately stop work, notify the COR, and wait for further direction regarding resumption of work. Disposal of materials demonstrating visual/detectable contamination shall be coordinated through the COR.
 - B.2 Nonhazardous Waste: When the debris resulting from demolition has been characterized by the Government as nondesignated, nonhazardous, and nonradioactive, it will be approved by the Government for removal from the site. Arrange for, and be responsible for, removal of all debris from the site to a permitted class III landfill at no additional cost to the Government.
 - B.3 Special Waste: If the debris resulting from demolition is characterized by the Government as special waste (waste not allowed for disposal in a class III landfill), upon Government approval for removal, arrange for disposal and remove all such waste from the site to a permitted class II landfill in accordance with all applicable federal, state, and county regulations, at no additional cost to the Government. Prior to the handling of such material, contact the COR for direction. Submit to the

Government, copies of disposal manifests showing the date and location of final disposition.

- B.4 Hazardous Waste: When the debris resulting from demolition has been characterized by the Government as hazardous, the Contractor shall place the debris in Government-furnished containers for Government disposal.

C. Solid Waste Management:

- C.1 LLNL encourages recycling and solid waste diversion and will assist the Contractor in the establishment of cost effective construction site diversion program. LLNL will provide the necessary dumpsters or identify cost effective waste diversion opportunities. LLNL will assist the Contractor to implement construction site waste diversion as required by the Contractor's solid waste management plan (SWMP). If the Contractor provides its own waste diversion or recycling, forward monthly statements documenting date, weight and type of material, and disposition of reuse.
- C.2 Prepare an SWMP utilizing the attached form (attachment 01210-1). The SWMP shall include the nonhazardous construction and/or demolition solid waste components (e.g., wood and metals by type) and their proposed disposition (i.e., solid waste disposal or recycling).

1.04 MATERIALS FURNISHED UNDER THIS SUBCONTRACT

- A. Material Safety Data Sheets (MSDSs): Prior to receipt on site, submit material safety data sheets for all chemicals, oils, solvents, paints, epoxies, adhesives, petrochemicals, or similar materials used on site. Keep one copy of each MSDS at the jobsite at all times and use products in accordance with local air quality district regulations (BAAQMD or SJVAPCD). Store materials in LLNL compliant containers within the construction boundary or as directed by the COR in accordance with SWPPP. Remove and dispose of all such materials not incorporated in the work in accordance with the applicable federal, state, and local regulations.
- B. Hazardous Materials Inventory: Provide a completed hazardous material inventory sheet utilizing the attached form (attachment 01210-2). If any hazardous materials required by the specifications are to remain on site at the end of the project, advise the COR and contact the LLNL ChemTrac Hotline (925-424-4404).
- C. Hazardous Waste Generated by the Subcontractor: Any hazardous waste generated by Contractor use of hazardous materials (e.g., batteries, coatings, and empty containers) shall be managed in accordance with federal, state, and local regulations and the Government-approved site-specific safety plan.

D. Prohibited Materials:

D.1 Asbestos Products: Ensure that no material or equipment containing more than 0.1% asbestos by weight is used at either Site 200 or Site 300.

D.2 Lead-Based Paint: No lead-based paint materials (defined as having greater than 600 ppm lead) will be allowed at either Site 200 or Site 300.

D.3 California Proposition 65 materials.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

Not used

END OF SECTION

(Attachments 01210-1 and -2 follow)

SOLID WASTE MANAGEMENT PLAN (SWMP)

Task Description_____

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Attachment 01210-2
Lawrence Livermore National Laboratory
Hazardous Material Inventory

Project information:

Project Name:	Subcontract No.:
Est. Project Start Date:	Est. Project End Date:

Instructions:

1. Please list hazardous materials below for which the manufacturer or producer has prepared a Material Safety Data Sheet (MSDS).
2. Indicate the quantity of each hazardous material (pounds, gallons, etc.) to be handled at the job site.
3. Provide a completed copy of this inventory form to the Contracting Officer (CO).
4. Notify the LLNL ChemTrack Hotline at (925) 424-4404 if any materials will be left onsite after the project is completed.

Material	Quantity	Material	Quantity

(Additional space for inventory information is provided on the next page.)

For more information regarding this inventory:

Contractor Name:	Date:
Contact Name:	Telephone No.:

Questions? Please call the LLNL ChemTrack Hotline at (925) 424-4404

3/96 Rev.0

Lawrence Livermore National Laboratory
Hazardous Material Inventory
Continuation Sheet

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